CONTENTS.

	PAGE
Work of the Year. By Shirley Hibberd, F.R.H.S.	1
Prime Movers. By J. W. M'Gauley	10
On Flukes. By T. Spencer Cobbold, M.D., F.L.S. *With a Coloured Plate*	24
Roman Cemetery of Uriconium. By Thomas Wright, M.A., F.S.A. *With Illustrations*	33
The Skipper, Skopster, or Saury. By Jonathan Couch, F.L.S. *With Illustrations*	46
A Rotifer New to Britain (Cephalosiphon Limnias). By Philip Henry Gosse, F.R.S. *With a Tinted Plate*	49
Notes on the Preceding Paper. By Henry James Slack, F.G.S. *With Illustrations*	53
Ancient and Modern Finger-Rings. By H. Noel Humphreys. *With Illustrations*	57
The Earth in the Comet's Tail. By the Rev. T. W. Webb, F.R.A.S. *With an Illustration*	63
Jottings on Copper (Percy's Metallurgy)	67
Transit of Mercury on Nov. 12, 1861. By the Hon. Mrs. Ward. *With Illustrations*	71
Conditions of Infusorial Life	85
Cuneatic Characters of Babylon, Assyria, and Persia. By H. Noel Humphreys. *With Illustrations*	98
Insect Vision and Insect Sleep. By the Hon. Richard Hill	102
Application of the Microscope to the Art of Design. By Henry J. Slack, F.G.S. *With a Tinted Plate*	111
Common Liver Entozoon of Cattle. By T. Spencer Cobbold, M.D., F.L.S. *With a Coloured Plate*	115
Visit to the Python in the Zoological Gardens. By Shirley Hibberd, F.R.H.S.	123
The Aye-Aye. By W. B. Tegetmeier. *With Illustrations*	130
Idol Head of the Jivaros. By William Bollaert, F.R.G.S. *With an Illustration*	135
Mediæval England	137
Double Stars. By the Rev. T. W. Webb, F.R.A.S. *With a Diagram*	143
Bees and their Counterfeits. By H. Noel Humphreys. *With a Coloured Plate and other Illustrations*	165
Shell of the Cuttle-Fish	174
Aluminium. By J. W. M'Gauley	176
Hunting for Diatoms	190
Eye of the Cod-Fish. By T. Spencer Cobbold, M.D., F.L.S. *With a Coloured Plate*	199
The Voyage of Aguirre in Search of El Dorado	209
The New Temple of Industry. By John Hollingshead	212
Observed Heights of Meteors and Shooting Stars. By Alexander S. Herschel, B.A. *With a Diagram*	217
The Fish World at Home	223

XUM

PAGE
Planets of the Month. By the Rev. T. W. Webb, F.R.A.S. 230
The Genus Cephalosiphon. By Andrew Pritchard 234
Progress of Zoology. By Shirley Hibberd. *With Illustrations*..... 245
Work for the Telescope—Planets of the Month—Double Stars. By the Rev. T. W. Webb, F.R.A.S. 265, 373
Haunts of the Condor in Peru. By William Bollaert, F.R.G.S. *With a Tinted Plate*..... 278
M. Faye on Solar Repulsion 286
Hybernation of Fungi—The Genus Sclerotium. By the Rev. Miles Joseph Berkeley, M.A., F.L.S. *With Illustrations* 288
Roman Mining Operations on the Borders of Wales. By Thomas Wright, M.A., F.S.A. *With a Tinted Plate and other Illustrations* ... 295
Meteorological Observations at the Kew Observatory. By C. Chambers 309
Life Changes on the Globe. By Henry J. Slack, F.G.S. 325
Beautiful Exotic Bees. By H. Noel Humphreys. *With a Coloured Plate* 334
Art of Electro-Plating and Gilding. By Richard Bethell. *With Illustrations* 339
Parasites from the Zoological Gardens. By T. Spencer Cobbold, M.D., F.L.S. *With a Coloured Plate* 347
The Angler. By Jonathan Couch, F.L.S. *With an Illustration*..... 353
Principles of Spectrum Analysis. By Thomas Rowney 362
Feathered Reptile of Solenhofen 367
Secchi on Magnetic and Atmospheric Perturbations 368
Geological Value of Recent Occurrences. By George E. Roberts. 370
Exhibition Tactics..... 375
Acari in Photographic Baths and Chemical Solutions 378
The Great Foucault Telescope 380
Dialysis. By W. B. Tegetmeier 381
Gamgee on Unwholesome Food..... 385
Ways of the Orchids 387
The Hairless Men of Australia..... 393
Money and Moneyers. By Joseph Newton. *With Two Illustrations in Silver*..... 405
Machinery at the Exhibition. By J. W. M'Gauley 421
Hail and Snow. By Alexander S. Herschel, B.A. 428
Saturn's Ring—Double Stars—Occultations. By the Rev. T. W. Webb, F.R.A.S. 431
Hurricane of May, 1862. By E. J. Lowe, F.R.A.S. *With Illustrations.* 439
Entomostraca (Water-Fleas). By G. S. Brady, M.R.C.S. *With Illustrations* 446
Frontal Sinuses of Bos Buffalus. By Shirley Hibberd, F.R.H.S. *With an Illustration* 457
Jenyns's Memoir of Henslow..... 459
Balbiani on the Reproduction of Infusoria. *With Illustrations* ... 463
Australian Naturalists 469
The Domestication of Science 471
Proceedings of Learned Societies 76, 152, 235, 319, 394, 475
Gleanings from the International Exhibition 398
Notes and Memoranda 82, 160, 240, 323, 401, 481